

## Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>IOWA, Northeast</b>				
<b>CLAYTON COUNTY --- 5.1 W LUANA [43.07, -91.57]</b>				
	08/14/07 01:40 CST		3K	Thunderstorm Wind (EG 56 kt)
	08/14/07 01:40 CST		0	Source: Law Enforcement
A few trees down and power lines knocked down.				
A cold front moved across northeast Iowa in the early morning hours of August 14. This triggered thunderstorms, which produced damaging winds that knocked down trees and power lines.				
<b>FLOYD COUNTY --- 1.2 SE ROCKFORD [43.04, -92.95]</b>				
	08/15/07 06:15 CST		0.50K	Thunderstorm Wind (EG 54 kt)
	08/15/07 06:15 CST		0	Source: Trained Spotter
Trained spotter reports several 12 inch diameter trees and limbs down.				
<b>CHICKASAW COUNTY --- 0.9 SW NASHUA [42.94, -92.54]</b>				
	08/15/07 06:57 CST		7K	Thunderstorm Wind (EG 55 kt)
	08/15/07 06:57 CST		0	Source: Trained Spotter
Trained spotter reports several trees down and some barns blown over. All the damage was near and south of Nashua.				
<b>CHICKASAW COUNTY --- 0.5 W NASHUA [42.95, -92.54]</b>				
	08/15/07 07:00 CST		2K	Thunderstorm Wind (EG 54 kt)
	08/15/07 07:00 CST		0	Source: Post Office
Power outages were reported by the post office.				
<b>FAYETTE COUNTY --- 0.5 W OELWEIN [42.68, -91.91]</b>				
	08/15/07 07:30 CST		7K	Thunderstorm Wind (EG 56 kt)
	08/15/07 07:30 CST		0	Source: COOP Observer
The cooperative weather observer reported several power lines down on the south side of Oelwein and a marquee sign at Oelwein vet clinic blown down.				
A cold front moved across northeast Iowa on the morning of August 15, triggering a line of severe thunderstorms. Law enforcement officials, storm spotters and the public reported wind gusts of up to 65 miles per hour, which knocked down trees and power lines.				
<b>CHICKASAW COUNTY --- NEW HAMPTON [43.07, -92.33]</b>				
	08/21/07 21:30 CST		3K	Thunderstorm Wind (EG 58 kt)
	08/21/07 21:30 CST		0	Source: Public
Trees were snapped off 20 feet up and power lines knocked down. A garden trailer and mower were also thrown.				
<b>ALLAMAKEE COUNTY --- HANOVER [43.37, -91.53]</b>				
	08/21/07 22:15 CST		3K	Thunderstorm Wind (EG 58 kt)
	08/21/07 22:15 CST		0	Source: Law Enforcement
Car blown into a ditch reported by law enforcement.				
<b>WINNESHIEK COUNTY --- DECORAH [43.30, -91.80]</b>				
	08/21/07 22:19 CST		2K	Thunderstorm Wind (EG 58 kt)
	08/21/07 22:19 CST		0	Source: Law Enforcement
Several trees were blown down.				
<b>ALLAMAKEE COUNTY --- 1.0 NE CHURCH [43.36, -91.34]</b>				
	08/21/07 22:45 CST		5K	Thunderstorm Wind (EG 58 kt)
	08/21/07 22:45 CST		0	Source: Department of Highways
A total of 18 trees were down across Mays Prairie Road north of Highway 9. The road was closed for a period of time.				

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<b>A low pressure system moved across northeast Iowa during the late evening hours of August 21, triggering severe thunderstorms. Law enforcement officials and the public estimated wind gusts of 65 to 70 mph, which knocked down power lines and trees.</b>				
<b>HOWARD COUNTY --- CRESCO [43.38, -92.12]</b>				
	08/21/07 21:50 CST		5K	Flash Flood (due to Heavy Rain)
	08/21/07 23:20 CST		0	Source: Law Enforcement
Sheriff deputy reported that gravel roads had washouts throughout the county. Time estimated.				
<b>WINNESHIEK COUNTY --- 1.7 SE BLUFFTON [43.38, -91.91]</b>				
	08/21/07 22:20 CST		60K	Flash Flood (due to Heavy Rain)
	08/21/07 23:50 CST		25K	Source: Law Enforcement
Scenic River Road damaged by water. Time estimated.				
<b>WINNESHIEK COUNTY --- 2.1 N BLUFFTON [43.43, -91.93]</b>				
	08/21/07 22:20 CST		45K	Flash Flood (due to Heavy Rain)
	08/21/07 23:50 CST		10K	Source: Law Enforcement
County Road W20 suffered damage from flood waters. Time was estimated.				
<b>WINNESHIEK COUNTY --- 2.1 NNE RIDGEWAY [43.33, -91.98]</b>				
	08/21/07 22:20 CST		0.11M	Flash Flood (due to Heavy Rain)
	08/21/07 23:50 CST		22K	Source: Law Enforcement
County Road W14 was damaged due to heavy rainfall and flash flooding. Time was estimated.				
<b>ALLAMAKEE COUNTY --- 3.6 SSW HANOVER [43.32, -91.56]</b>				
	08/21/07 22:50 CST		4K	Flash Flood (due to Heavy Rain)
	08/21/07 23:55 CST		0	Source: Law Enforcement
Oneill Ridge road was closed due to high water. Partial road closures throughout the remainder of the county due to heavy rainfall. Time was estimated.				
<b>A low pressure system moved over northeast Iowa during the late evening hours of August 21. Thunderstorms developed along and ahead of this system, producing rainfall rates of an inch per hour. This caused flooding of roadways across parts of northeast Iowa.</b>				
<b>CLAYTON COUNTY --- 1.2 SW OSBORNE [42.79, -91.45]</b>				
	08/22/07 15:10 CST		1.50K	Thunderstorm Wind (EG 58 kt)
	08/22/07 15:10 CST		0	Source: COOP Observer
Several trees blown down at Osborne Park.				
<b>CLAYTON COUNTY --- LITTLEPORT [42.75, -91.37]</b>				
	08/22/07 15:25 CST		1.50K	Thunderstorm Wind (EG 60 kt)
	08/22/07 15:25 CST		0	Source: Law Enforcement
Power lines blown down.				
<b>A cold front moved across northeast Iowa in the late afternoon and evening hours of August 22, triggering scattered severe thunderstorms. Wind gusts of 60 mph knocked down a few trees and power lines.</b>				
<b>ALLAMAKEE COUNTY --- 0.7 N CHURCH [43.36, -91.35]</b>				
	08/28/07 16:50 CST		0	Hail (1.00 in)
	08/28/07 16:50 CST		0	Source: Public
The general public reported an estimate size of one inch hail near Churchtown.				
<b>A cold front tracked slowly across northeast Iowa in the late afternoon hours of August 28. A small line of thunderstorms developed along the front and produced hail up to the size of quarters, as reported by the public.</b>				
<b>ALLAMAKEE COUNTY --- CHESTER [43.47, -91.52]</b>				
	08/27/07 06:30 CST		4K	Flash Flood (due to Heavy Rain)
	08/27/07 07:45 CST		0	Source: Broadcast Media

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Broadcast media reported Waterloo Creek came out of its banks and flooded an adjacent trailer park.				
<b>A slow moving cold front triggered thunderstorms with heavy rains over parts of northeast Iowa during the morning hours of August 27. Excessive rainfall amounts of 2 to 4 inches in two to three hours caused streams and creeks to rise quickly and flood low lying areas.</b>				
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<b>FLOYD COUNTY --- 1.0 E CHARLES CITY [43.07, -92.68]</b>	08/27/07 03:40 CST		0	Hail (1.50 in)
	08/27/07 03:40 CST		0	Source: Fire Department/Rescue
Fire Department Rescue Squad measured hail of one and one half inches in diameter.				
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<b>CLAYTON COUNTY --- 0.5 W STRAWBERRY PT [42.68, -91.54]</b>	08/27/07 06:20 CST		0	Hail (0.75 in)
	08/27/07 06:20 CST		0	Source: Public
The General Public reported the size of hail of three fourths of an inch in diameter.				
<b>A slow moving cold front triggered thunderstorms across parts of northeast Iowa during the morning hours of August 27. A couple of the storms produced hail the size of ping-pong balls.</b>				
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<b>ALLAMAKEE COUNTY --- DORCHESTER [43.48, -91.55]</b>	08/19/07 00:00 CST		0.50M	Flash Flood (due to Heavy Rain)
	08/19/07 10:00 CST		8K	Source: Law Enforcement
Rounds of thunderstorms led to significant flash flooding over much of the county, but especially the northern parts where mudslides occurred. Rainfall was 2-5" over the county. Damage was mainly to infrastructure.				
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<b>ALLAMAKEE COUNTY --- POSTVILLE [43.08, -91.58]</b>	08/19/07 00:00 CST		25K	Flood (due to Heavy Rain)
	08/19/07 10:00 CST		20K	Source: Law Enforcement
Heavy rainfall caused flooding of basements, which may have indirectly contributed to the death of man in Postville. He was electricuted from entering a flooded basement with live power.				
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<b>WINNESHIEK COUNTY --- BLUFFTON [43.40, -91.93]</b>	08/19/07 06:45 CST		0.15M	Flood (due to Heavy Rain)
	08/19/07 09:00 CST		2K	Source: Emergency Manager
Heavy rains led to flooding across parts of the county, mainly causing infrastructure damage.				
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<b>FLOYD COUNTY --- CHARLES CITY [43.07, -92.70]</b>	08/19/07 16:30 CST		0.10M	Flash Flood (due to Heavy Rain)
	08/19/07 19:10 CST		60K	Source: Law Enforcement
Water was reported in numerous basements. Flooding was also reported along Highway 18 in the Charles City area.				
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<b>CHICKASAW COUNTY --- 0.5 E JERICO [43.18, -92.26]</b>	08/19/07 18:26 CST		10K	Flash Flood (due to Heavy Rain)
	08/19/07 19:20 CST		20K	Source: Law Enforcement
Crane Creek was out of its banks and flooding County Road B22.				
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<b>HOWARD COUNTY --- 0.5 E PROTIVIN [43.22, -92.09]</b>	08/19/07 19:08 CST		20K	Flash Flood (due to Heavy Rain)
	08/19/07 19:30 CST		20K	Source: Law Enforcement
Bohemian Creek was out of its banks and sand bagging was taking place in Protivin.				
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<b>HOWARD COUNTY --- PROTIVIN [43.22, -92.10]</b>	08/19/07 19:30 CST		50K	Flood (due to Heavy Rain)
	08/19/07 23:30 CST		25K	Source: Law Enforcement

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Runoff from heavy rainfall continued to cause flooding on streams and creeks, with sand bagging on Bohemian Creek in Protivin.

A nearly stationary front across the region was the focus for thunderstorms across northeast Iowa during the late afternoon and evening of August 19. Excessive rainfall amounts of 2 to 5 inches in two to three hours caused flash flooding. Allamakee County was included in a Presidential Disaster declaration.

### MINNESOTA, Southeast

#### OLMSTED COUNTY --- 0.9 NW ROCHESTER [44.04, -92.48]

08/11/07 04:43 CST	0	Hail (0.75 in)
08/11/07 04:43 CST	0	Source: Trained Spotter

#### OLMSTED COUNTY --- 4.2 N ROCHESTER [44.09, -92.48]

08/11/07 04:52 CST	0	Hail (0.75 in)
08/11/07 04:52 CST	0	Source: Trained Spotter

#### OLMSTED COUNTY --- 1.7 NW CHATFIELD JCT [44.02, -92.27]

08/11/07 05:10 CST	0	Hail (0.75 in)
08/11/07 05:10 CST	0	Source: Trained Spotter

#### WINONA COUNTY --- WINONA [44.05, -91.65]

08/11/07 05:30 CST	0	Heavy Rain
08/11/07 06:00 CST	0	Source: Law Enforcement

Street flooding was reported in the city.

#### WINONA COUNTY --- 4.0 SE DRESBACH [43.84, -91.27]

08/11/07 05:45 CST	0	Heavy Rain
08/11/07 06:15 CST	0	Source: Broadcast Media

Standing water was reported under the Interstate 90 overpass.

An upper level disturbance moved across southeast Minnesota during the early morning hours of August 11. This triggered scattered severe thunderstorms, which produced hail up to the size of pennies, as reported by storm spotters.

#### DODGE COUNTY --- 3.0 E KASSON [44.03, -92.69]

08/11/07 20:26 CST	0	Hail (0.75 in)
08/11/07 20:26 CST	0	Source: Emergency Manager

#### OLMSTED COUNTY --- BYRON [44.03, -92.65]

08/11/07 20:28 CST	0	Hail (0.75 in)
08/11/07 20:28 CST	0	Source: Public

#### OLMSTED COUNTY --- 1.4 N SALEM CORNERS [44.00, -92.60]

08/11/07 20:43 CST	0	Hail (1.00 in)
08/11/07 20:43 CST	0	Source: Amateur Radio

#### OLMSTED COUNTY --- 2.5 SW GENOA [44.09, -92.65]

08/11/07 20:43 CST	0	Hail (0.75 in)
08/11/07 20:43 CST	0	Source: Public

#### OLMSTED COUNTY --- 1.5 SSW ROCHESTER [44.01, -92.48]

08/11/07 20:55 CST	0	Hail (0.75 in)
08/11/07 20:55 CST	0	Source: Emergency Manager

#### OLMSTED COUNTY --- 1.5 SSW ROCHESTER [44.01, -92.48]

08/11/07 21:02 CST	0	Hail (1.75 in)
08/11/07 21:02 CST	0	Source: Emergency Manager

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Quarter to golf ball sized hail was reported 2 miles south of the Highway 52 / 63 intersection.				
<b>OLMSTED COUNTY --- 1.6 ENE (RST) ROCHESTER MUNI [43.93, -92.47]</b>				
	08/11/07 21:03 CST		0	Hail (1.00 in)
	08/11/07 21:03 CST		0	Source: COOP Observer
<b>OLMSTED COUNTY --- (RST) ROCHESTER MUNI [43.92, -92.50]</b>				
	08/11/07 21:05 CST		0	Thunderstorm Wind (MG 64 kt)
	08/11/07 21:05 CST		0	Source: ASOS
A wind gust of 74 miles per hour was measured at the Rochester International Airport.				
<b>OLMSTED COUNTY --- 2.9 SSE ROCHESTER [43.99, -92.45]</b>				
	08/11/07 21:06 CST		0	Hail (1.00 in)
	08/11/07 21:06 CST		0	Source: Emergency Manager
<b>OLMSTED COUNTY --- (RST) ROCHESTER MUNI [43.92, -92.50]</b>				
	08/11/07 21:08 CST		0	Hail (1.00 in)
	08/11/07 21:08 CST		0	Source: Emergency Manager
Occurred at the Rochester International Airport.				
<b>OLMSTED COUNTY --- 2.9 SSE ROCHESTER [43.99, -92.45]</b>				
	08/11/07 21:08 CST		0	Hail (1.25 in)
	08/11/07 21:08 CST		0	Source: Emergency Manager
<b>WABASHA COUNTY --- PLAINVIEW [44.17, -92.17]</b>				
	08/11/07 21:14 CST		2.50K	Thunderstorm Wind (EG 56 kt)
	08/11/07 21:14 CST		0	Source: Emergency Manager
Trees were blown down.				
<b>OLMSTED COUNTY --- 2.9 NNW SIMPSON [43.97, -92.42]</b>				
	08/11/07 21:18 CST		0	Hail (1.00 in)
	08/11/07 21:18 CST		0	Source: Emergency Manager
<b>FILLMORE COUNTY --- 0.7 N WASHINGTON [43.78, -92.35]</b>				
	08/11/07 21:30 CST		0	Hail (0.88 in)
	08/11/07 21:37 CST		0	Source: Public
Dime to nickel sized hail fell for about 7 minutes.				
<b>FILLMORE COUNTY --- 1.4 N WASHINGTON [43.79, -92.35]</b>				
	08/11/07 21:30 CST		1.50K	Thunderstorm Wind (EG 56 kt)
	08/11/07 21:30 CST		0	Source: Public
A few trees were knocked down.				
<b>WINONA COUNTY --- 0.5 W WINONA [44.05, -91.66]</b>				
	08/11/07 21:30 CST		2K	Thunderstorm Wind (EG 52 kt)
	08/11/07 21:30 CST		0	Source: Emergency Manager
Power line down in the western part of the city of Winona.				
<b>FILLMORE COUNTY --- 1.0 E WHALAN [43.73, -91.91]</b>				
	08/11/07 21:51 CST		0	Thunderstorm Wind (EG 52 kt)
	08/11/07 21:51 CST		0	Source: Trained Spotter

A cold front moved across southeast Minnesota late in the evening of August 11, triggering a line of severe thunderstorms. Hail up to the size of golf balls was reported by storm spotters and law enforcement officials. In addition, wind gusts of 60 to 65 mph were

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common, with a gust of 74 mph recorded at the Rochester International Airport.				
<b>WABASHA COUNTY --- WABASHA [44.38, -92.03]</b>				
	08/13/07 23:27 CST		0	Thunderstorm Wind (EG 50 kt)
	08/13/07 23:27 CST		1K	Source: Emergency Manager
Trees were knocked down in town.				
<b>WABASHA COUNTY --- PLAINVIEW [44.17, -92.17]</b>				
	08/13/07 23:40 CST		0	Thunderstorm Wind (EG 50 kt)
	08/13/07 23:40 CST		1K	Source: Emergency Manager
Trees were knocked down in town.				
<b>OLMSTED COUNTY --- BYRON [44.03, -92.65]</b>				
	08/14/07 00:30 CST		0	Hail (0.88 in)
	08/14/07 00:30 CST		0	Source: Public
<b>OLMSTED COUNTY --- 1.5 SSE ROCHESTER [44.01, -92.46]</b>				
	08/14/07 00:33 CST		0	Hail (1.00 in)
	08/14/07 00:33 CST		0	Source: Trained Spotter
<b>FILLMORE COUNTY --- 3.0 SE CHATFIELD [43.82, -92.14]</b>				
	08/14/07 01:40 CST		2K	Flash Flood (due to Heavy Rain)
	08/14/07 02:55 CST		0	Source: Emergency Manager
Mudslides were reported along Highway 52.				
<b>A cold front moved across southeast Minnesota late on August 13th and during the early morning hours of August 14. This triggered scattered severe thunderstorms, which produced hail up to the size of quarters and some relatively minor wind damage.</b>				
<b>HOUSTON COUNTY --- 1.0 S HOKAH [43.76, -91.33]</b>				
	08/18/07 06:00 CST		15K	Heavy Rain
	08/19/07 11:00 CST		5K	Source: COOP Observer
The cooperative observer 1 mile south-southwest of Hokah reported a rainfall total of 15.60 inches. 12.73 inches of this rain fell between 8 p.m. August 18th and 3 a.m. August 19th, and a new 24-hour record of 15.10 inches set a new state record.				
<b>DODGE COUNTY --- DODGE CENTER [44.03, -92.85]</b>				
	08/18/07 17:00 CST		0.10M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		30K	Source: County Official
Flooding was limited mostly to ditches. Homes reported with water in basements. Railroad beds were washed out. Reports began coming into the dispatch center around 6 p.m.				
<b>HOUSTON COUNTY --- 1.2 SE MONEY CREEK [43.81, -91.60]</b>				
	08/18/07 19:22 CST		6M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		0.30M	Source: Law Enforcement
Tremendous flash flooding and mudslides covered many highways in the area, including Highway 76 between Money Creek and Houston. Highway bridges were completely blown out and sections of roads were quickly eroded away. Other mudslides were reported on county highways 9, 13 and 26.				
<b>OLMSTED COUNTY --- ROCHESTER [44.03, -92.47]</b>				
	08/18/07 20:15 CST		35M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		90K	Source: County Official
Heavy thunderstorm rains caused widespread flash flooding in Rochester and surrounding areas across the county. Extensive damage was caused to sewer systems, water wells, roadways, parks, and flood control reservoirs.				
Highway 14 was closed east of Rochester due to wash outs and flash flooding. A mudslide hit the Ronald McDonald house in Rochester with evacuations around 6 a.m. Red Cross shelters were set up. Flooding reports began around 915 p.m. Saturday August 18.				

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<b>HOUSTON COUNTY --- 1.2 SW HOKAH [43.76, -91.35]</b>				
	08/18/07 20:30 CST		27M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST	30	0.75M	Source: County Official
<p>At least 50 mudslides were reported across the county with four state highways and eight county roads closed. At one point 20 roads were closed across the county. Some homes collapsed or were carried away by mudslides. Numerous railroad tracks and bridges washed out. There were numerous reports of injuries. Hardest hit communities included Houston, Hokah, La Crescent and Brownsville. A 25 foot earthen dam near Hokah, which was built in 1921, collapsed. This caused significant damage to a portion of the town, including the main park and an automobile dealership. First calls of flooding began around 9:30 p.m. Saturday August 18 to dispatch center, with flooding problems becoming exceedingly worse afterwards.</p> <p>4,200 homes were reportedly damaged or destroyed.</p>				
<b>HOUSTON COUNTY --- 2.0 W LA CRESCENT [43.83, -91.32]</b>				
	08/18/07 21:00 CST	1	3M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST	2	0.25M	Source: Law Enforcement
<p>A man was killed when he attempted to cross flood waters with two others in his vehicle. The car was washed away on County Road 6 near Pine Creek. His two female companions were rescued but the victim's legs were pinned under a part of the car and rescue workers could not save him. Several rescue workers also became caught in flood waters which swamped at least two rescue boats. This all occurred during the early morning hours of Sunday, August 19th in darkness.</p> <p>Highway 26 from La Crescent to the Iowa border, Highway 16 from La Crescent to Hokah, and Highway 61 north of La Crescent were all closed by flood waters and damage.</p> <p>Direct Fatalities: M37VE</p>				
<b>HOUSTON COUNTY --- 3.5 ENE HOUSTON [43.79, -91.51]</b>				
	08/18/07 21:00 CST	1	0.60M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		70K	Source: Law Enforcement
<p>A 55-year old man was killed near Storer Creek when his mobile home was swept away by flash flooding. The man had been asked to evacuate twice before flood waters swept him and his home away. The normally tranquil trout stream was about 80 yards wide and 7 to 8 feet above nearby bridges.</p> <p>Direct Fatalities: M55MH</p>				
<b>WINONA COUNTY --- 1.5 SSE LEWISTON [43.96, -91.87]</b>				
	08/18/07 21:48 CST		6M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		0.25M	Source: Emergency Manager
<p>Flash flooding and mudslides were common from the Elba area through Whitewater State Park and into the Lewiston area. Numerous mudslides occurred with many roads closed. Debris slid down hills and blocked drainage areas making flooding worse in many areas. A car was stuck in high water on County Highway 29 at some point.</p> <p>Highway 74 in Whitewater State Park completely washed out. About 500 campers were evacuated that evening, but about a dozen campers were stranded at a primitive campsite overnight. They were rescued the following morning. The state park lost 3 bridges and there was extreme damage to campgrounds, rest rooms, a group dining hall, and the septic and water systems totaling at least one million dollars. The flood system installed at the park did activate that evening.</p> <p>Many area creeks and trout streams were heavily damaged.</p>				
<b>WINONA COUNTY --- STOCKTON [44.03, -91.77]</b>				
	08/18/07 21:48 CST		22M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		0.20M	Source: Emergency Manager
<p>Flash flooding hit all the creeks and drainage areas hard that begin near the Interstate 90 area in Winona County. Garvin Brook and other creeks that flow into Stockton became terrain-changing flowages that washed out numerous roads, created massive mudslides, took out bridges, damaged railroad tracks, and washed away some homes.</p> <p>Most homes in Stockton had severe water damage as flood waters roared through town.</p> <p>Erosion problems were also noted south of Interstate 90 in the Hart area. Many roads, including Highway 43, were closed for several days.</p>				
<b>WINONA COUNTY --- ELBA [44.08, -92.02]</b>				

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	08/18/07 22:00 CST		60K	Flood (due to Heavy Rain)
	08/20/07 03:00 CST		25K	Source: Other Federal Agency
The Middle Fork of the Whitewater River at Whitewater State Park reached a record crest of 19.24 feet. Flood stage is 13.5 feet. The rapid rise of flood waters forced the evacuation of campers throughout the park.				
<b>OLMSTED COUNTY --- EYOTA [43.98, -92.23]</b>				
	08/18/07 22:12 CST		9.60M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		7K	Source: Emergency Manager
Numerous streets were flooded. Sand bagging was needed with some street closures. Several nearby bridges were badly damaged and railroad tracks were bent out of place. Highway 14 was closed at Highway 42 due to flooding and residents of the Eyota trailer park were evacuated.				
In Eyota specifically, 16 of 20 business had damage, 600 of 716 homes had at least water damage, and in most basements there was 18 inches to 5 feet of water.				
<b>WINONA COUNTY --- LEWISTON [43.98, -91.88], 0.5 W WITOKA [43.93, -91.63]</b>				
	08/18/07 22:25 CST	5	0.30M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		0.13M	Source: Law Enforcement
Five fatalities were reported from people driving into flood waters. Two fatalities occurred near Witoka when a couple's vehicle fell into a chasm along County Road 17 that had opened when flood waters washed out the road. Near Stockton, two fatalities occurred when a couple's vehicle was swept away by flood waters from Garvin Brook. Near the Enterprise rest area on Interstate 90, a man was killed when his vehicle was washed away by flood waters along Rush Creek.				
Direct Fatalities: M67VE, F66VE, M37VE, M79VE, F67VE				
<b>FILLMORE COUNTY --- RUSHFORD [43.82, -91.77]</b>				
	08/18/07 22:30 CST		38M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		0.39M	Source: Law Enforcement
Heavy rain that was centered north of the county caused Rush Creek to flash flood on historic levels. In addition to Rush Creek, every other creek that leads into Rushford had tremendous accumulation that led to flood waters raging into town. The water backed up against the levees normally used to keep flood waters out from the nearby Root River and ended up flooding most of the town, including the entire downtown area.				
In Rushford specifically, two thirds of the town was under water at some point. About 300 people had to be rescued. 490 of the 766 homes were flooded or had damage (79 were declared structurally unsound). 58 of the 70 businesses in town were damaged impacting nearly 500 of the 600 jobs in town. A total of 4 churches and 40 apartment buildings were also impacted.				
Damage was widespread across the county, especially the northeast parts. Infrastructure was hit hard with numerous road closures and bridge damage. Numerous mud slides were reported. At least 704 homes applied for FEMA assistance.				
<b>WINONA COUNTY --- 0.5 NW WINONA [44.06, -91.66]</b>				
	08/18/07 22:35 CST		12M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		0.45M	Source: Emergency Manager
All drainage areas leading into communities in eastern Winona County experienced tremendous flash flooding. State Highway 43 was washed out just south of Winona. In addition, more than 300 residents were evacuated from their homes in Goodview due to high water. In Minnesota City a railroad bridge was ripped apart by Garvin Brook and a highway bridge through town suffered major damage on each end. Railroad tracks were warped or pushed clear out of position. Major erosion was seen.				
<b>WABASHA COUNTY --- ELGIN [44.13, -92.25]</b>				
	08/18/07 23:15 CST		1.20M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		12K	Source: Emergency Manager
Flash flooding quickly hit area creeks, even into the Millville, Plainview, and Zumbro Falls area. Several roads were closed as flood waters peaked overnight including damage to some businesses and homes. A few mudslides hit County Roads 2 and 11, among other areas, including a huge boulder that washed on to a road at the start of the flooding. At least 44 families were impacted in Elgin with lower numbers in other communities.				
<b>OLMSTED COUNTY --- ROCHESTER [44.03, -92.47]</b>				
	08/19/07 00:00 CST		20K	Flood (due to Heavy Rain)
	08/20/07 01:00 CST		10K	Source: Other Federal Agency

## Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Cascade Creek and the South Fork of the Zumbro River responded to excessive rainfall by rising quickly above flood stage. Cascade Creek reached a crest of 16.52 feet. Flood stage is 13.0 feet. The Zumbro River crested at 16.64 feet. Flood stage is 14.0 feet.				
<b>DODGE COUNTY --- KASSON [44.03, -92.75]</b>				
	08/19/07 00:30 CST		30K	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		5K	Source: Emergency Manager
Flooding reported in Kasson.				
<b>HOUSTON COUNTY --- HOUSTON [43.77, -91.57]</b>				
	08/19/07 02:00 CST		0.75M	Flood (due to Heavy Rain)
	08/21/07 08:00 CST		0.50M	Source: Other Federal Agency
The Root River at Houston reached a record crest of 18.75 feet on August 19. Flood stage is 15 feet. The town of Houston was completely cutoff by flood waters for awhile. Hundreds of acres of crops along the river were lost when they were inundated by flood waters.				
<b>WABASHA COUNTY --- 2.1 WSW ELGIN [44.12, -92.29]</b>				
	08/19/07 02:25 CST		0.40M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		30K	Source: Law Enforcement
County Highways 2 and 25 were closed near the Wabasha/Olmsted county line.				
<b>DODGE COUNTY --- DODGE CENTER [44.03, -92.85]</b>				
	08/19/07 06:00 CST		0.60M	Flood (due to Heavy Rain)
	08/20/07 05:00 CST		55K	Source: Law Enforcement
Law enforcement officials reported some roads washed out or still under water.				
<b>FILLMORE COUNTY --- RUSHFORD [43.82, -91.77]</b>				
	08/19/07 06:00 CST		11M	Flood (due to Heavy Rain)
	08/21/07 09:00 CST		0.75M	Source: Law Enforcement
Law enforcement officials reported some roads washed out or still under water. The town of Rushford was inundated with flood waters from Rush Creek. In addition, the Root River at Rushford reached at an all-time record crest of 28.98 feet. As a result of flood waters, numerous homes, businesses and vehicles were damaged. In fact, two-thirds of the homes in Rushford were estimated to have been extensively damaged.				
<b>HOUSTON COUNTY --- HOUSTON [43.77, -91.57]</b>				
	08/19/07 06:00 CST		1M	Flood (due to Heavy Rain)
	08/21/07 09:00 CST		0.50M	Source: Law Enforcement
Law enforcement officials reported roads and bridges washed out or still under water. Houston was under mandatory evacuation orders until flood waters receded. Area highways were closed including Highway 26 from Money Creek to Rushford and Highway 9 from Highway 21 to the Winona/Houston County line.				
<b>MOWER COUNTY --- ADAMS [43.57, -92.73]</b>				
	08/19/07 06:00 CST		20K	Flood (due to Heavy Rain)
	08/20/07 05:00 CST		10K	Source: Law Enforcement
Law enforcement officials reported some roads washed out or still under water.				
<b>OLMSTED COUNTY --- ROCHESTER [44.03, -92.47]</b>				
	08/19/07 06:00 CST		20K	Flood (due to Heavy Rain)
	08/20/07 14:00 CST		10K	Source: Law Enforcement
Law enforcement officials reported some roads washed out or still under water.				
<b>WABASHA COUNTY --- ZUMBRO FALLS [44.28, -92.43]</b>				
	08/19/07 06:00 CST		0.25M	Flood (due to Heavy Rain)
	08/20/07 00:00 CST		0.15M	Source: Law Enforcement
Law enforcement officials reported some roads washed out or still under water. Highways 60 and 63 remained closed.				

## Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>WINONA COUNTY --- WINONA [44.05, -91.65]</b>				
	08/19/07 06:00 CST		1.50M	Flood (due to Heavy Rain)
	08/21/07 09:00 CST		0.25M	Source: Law Enforcement
Law enforcement officials reported some roads and bridges washed out or still under water. Whitewater State Park remained closed. In Goodview, extensive damage occurred to homes and apartments due to flood waters. All or portions of highways still closed included Highway 76 from Interstate 90 to Highway 16.				
<b>WABASHA COUNTY --- ZUMBRO FALLS [44.28, -92.43]</b>				
	08/19/07 11:00 CST		15K	Flood (due to Heavy Rain)
	08/21/07 02:00 CST		10K	Source: Other Federal Agency
The Zumbro River reached a crest of 21.76 feet, forcing the closure of Highways 60 and 63 for a time. Flood stage is 18.0 feet.				
<b>A warm front lifting northward into Iowa triggered round after round of thunderstorms with excessive rainfall across southeast Minnesota during the evening and overnight hours of August 18-19. This was after rain had fallen earlier in the day. Total rainfall amounts of 10 to 15 inches were common, which produced widespread and significant flash flooding. An official rainfall total of 15.1 inches near Hokah (Houston County) established an all-time 24 hour rainfall record for the state of Minnesota. Other rainfall totals, which were unofficial readings, included 17.00 and 14.00 inches respectively in Witoka and Utica (Winona County). Numerous roads and bridges were washed out, houses collapsed due to mudslides and hundreds of homes had flooded basements. Law enforcement and fire department officials reported rescuing people from their vehicles, as well as from house tops. There were seven fatalities reported, five in Winona County and two in Houston County. Damage attributed to the heavy rainfall and subsequent flooding was estimated to be in the millions of dollars. Fillmore, Houston, Olmsted, Wabasha and Winona counties were declared federal disaster areas.</b>				
<b>MOWER COUNTY --- AUSTIN [43.67, -92.93]</b>				
	08/21/07 19:55 CST		0	Hail (1.00 in)
	08/21/07 19:55 CST		0	Source: Emergency Manager
Quarter sized hail was estimated.				
<b>MOWER COUNTY --- AUSTIN [43.67, -92.93]</b>				
	08/21/07 20:04 CST		0	Hail (1.75 in)
	08/21/07 20:04 CST		0	Source: Emergency Manager
Golf ball size hail was reported by Emergency Manager.				
<b>MOWER COUNTY --- 1.0 E DEXTER [43.72, -92.70]</b>				
	08/21/07 20:12 CST		0	Hail (1.00 in)
	08/21/07 20:12 CST		0	Source: Law Enforcement
Quarter size hail was estimated by Law Enforcement.				
<b>MOWER COUNTY --- 2.0 W RACINE [43.78, -92.54]</b>				
	08/21/07 20:24 CST		0	Hail (0.88 in)
	08/21/07 20:24 CST		0	Source: Fire Department/Rescue
Nickel size hail was estimated by fire department rescue squad.				
<b>MOWER COUNTY --- 1.0 E RACINE [43.78, -92.48]</b>				
	08/21/07 20:27 CST		0	Hail (1.00 in)
	08/21/07 20:36 CST		0	Source: Trained Spotter
Nickel to quarter sized hail was estimated by trained spotter. The hail fell for nearly 10 minutes.				
<b>A low pressure moved across southeast Minnesota during the late evening hours of August 21. Severe thunderstorms developed along and ahead of this system. Law enforcement officials and storm spotters reported hail as large as golf balls.</b>				
<b>MOWER COUNTY --- AUSTIN [43.67, -92.93]</b>				
	08/21/07 21:08 CST		1K	Flash Flood (due to Heavy Rain)
	08/21/07 23:00 CST		0	Source: Broadcast Media
KAAL Television in Austin reported street flooding on 4th street near Interstate 90 and along Oakland Avenue.				

## Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>FILLMORE COUNTY --- SPRING VLY [43.68, -92.40]</b>				
	08/21/07 21:30 CST		6K	Flash Flood (due to Heavy Rain)
	08/21/07 23:50 CST		0	Source: Law Enforcement
Law enforcement officials reported flash flooding around the village. One basement wall collapsed in a house.				
<b>HOUSTON COUNTY --- CALEDONIA [43.63, -91.50]</b>				
	08/21/07 22:30 CST		1K	Flash Flood (due to Heavy Rain)
	08/22/07 23:45 CST		0	Source: Law Enforcement
Law enforcement officials reported water over the roadway near Green Acres and across other sections of the county.				
<b>A low pressure system moved across southeast Minnesota during the late evening hours of August 21, triggering thunderstorms. Due to saturated soils, rainfall rates of up to an inch per hour caused flash flooding across roadways.</b>				
<b>WINONA COUNTY --- 0.5 E LEWISTON [43.98, -91.87]</b>				
	08/22/07 16:45 CST		1.50K	Flash Flood (due to Heavy Rain)
	08/22/07 17:15 CST		0	Source: Emergency Manager
Water was over some roads in Winona County.				
<b>A cold front tracked across southeast Minnesota in the early evening hours of August 22, which sparked thunderstorms producing heavy rainfall. Due to saturated soils, heavy rainfall rates of an inch per hour caused flooding over some roadways in Winona county.</b>				
<b>WISCONSIN, Southwest</b>				
<b>TREMPEALEAU COUNTY --- 0.5 W GALESVILLE [44.08, -91.36]</b>				
	08/11/07 05:00 CST		1K	Thunderstorm Wind (EG 55 kt)
	08/11/07 05:00 CST		0	Source: Law Enforcement
A thunderstorm wind gust knocked down trees near Galesville.				
<b>LA CROSSE COUNTY --- 0.3 W (LSE)LA CROSSE MUNI [43.88, -91.25]</b>				
	08/11/07 05:27 CST		0	Thunderstorm Wind (MG 56 kt)
	08/11/07 05:27 CST		0	Source: ASOS
A thunderstorm wind gust of 64 miles per hour was measured at the La Crosse Municipal Airport.				
<b>LA CROSSE COUNTY --- 2.0 S LA CROSSE [43.77, -91.25]</b>				
	08/11/07 05:45 CST		0	Heavy Rain
	08/11/07 06:10 CST		0	Source: NWS Employee
Street flooding was reported on the south side of the city, especially along Mormon Coulee Road.				
<b>An upper level disturbance moved across southwest Wisconsin in the early morning hours of August 11. As a result, scattered severe thunderstorms developed, which produced wind gusts of 60 to 65 mph that knocked down trees.</b>				
<b>TREMPEALEAU COUNTY --- 2.1 WNW INDEPENDENCE [44.36, -91.46]</b>				
	08/11/07 20:45 CST		3K	Thunderstorm Wind (EG 55 kt)
	08/11/07 20:45 CST		0	Source: Public
Many 2 to 4 inch diameter branches were blown down. Large trees were also knocked down and power outages lasted up to six hours in the area.				
<b>BUFFALO COUNTY --- 7.8 ESE GARDEN VLY [44.28, -91.54]</b>				
	08/11/07 21:14 CST		0	Hail (0.75 in)
	08/11/07 21:14 CST		0	Source: Public
<b>BUFFALO COUNTY --- 1.2 SW BUFFALO CITY [44.22, -91.87]</b>				
	08/11/07 21:20 CST		2.50K	Thunderstorm Wind (EG 61 kt)
	08/11/07 21:20 CST		0	Source: Law Enforcement

## Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Winds gusted up to 70 mph and knocked trees down.				
<b>JACKSON COUNTY --- 1.0 E SHAMROCK [44.18, -90.78]</b>				
	08/11/07 21:32 CST		0.50K	Thunderstorm Wind (EG 54 kt)
	08/11/07 21:32 CST		0	Source: Law Enforcement
A large tree was blown down.				
<b>LA CROSSE COUNTY --- MINDORO [44.02, -91.10]</b>				
	08/11/07 21:35 CST		2K	Thunderstorm Wind (EG 52 kt)
	08/11/07 21:35 CST		0	Source: Law Enforcement
Power line down.				
<b>MONROE COUNTY --- 4.6 NE CATARACT [44.13, -90.76]</b>				
	08/11/07 21:36 CST		2.50K	Thunderstorm Wind (EG 56 kt)
	08/11/07 21:36 CST		0	Source: Emergency Manager
Power lines and trees down.				
<b>LA CROSSE COUNTY --- 1.6 WSW HOLMEN [43.96, -91.28]</b>				
	08/11/07 21:40 CST		0.50K	Thunderstorm Wind (EG 52 kt)
	08/11/07 21:40 CST		0	Source: NWS Employee
One 5 inch diameter tree and a 20 foot tall pine were uprooted.				
<b>MONROE COUNTY --- 0.7 N CATARACT [44.09, -90.83]</b>				
	08/11/07 21:41 CST		0	Thunderstorm Wind (EG 54 kt)
	08/11/07 21:41 CST		0	Source: Emergency Manager
<b>LA CROSSE COUNTY --- 1.6 ESE LYTLE [43.94, -91.30]</b>				
	08/11/07 21:44 CST		0.50K	Thunderstorm Wind (EG 52 kt)
	08/11/07 21:44 CST		0	Source: Law Enforcement
Tree down.				
<b>LA CROSSE COUNTY --- 1.0 W WEST SALEM [43.90, -91.10]</b>				
	08/11/07 21:46 CST		3.50K	Thunderstorm Wind (EG 52 kt)
	08/11/07 21:46 CST		0	Source: Amateur Radio
Tree down on a car in veterans park.				
<b>LA CROSSE COUNTY --- 4.0 SSE LA CROSSE [43.75, -91.22]</b>				
	08/11/07 21:49 CST		0.50K	Thunderstorm Wind (EG 54 kt)
	08/11/07 21:49 CST		0	Source: Amateur Radio
Trees were blown down in the Town of Shelby.				
<b>MONROE COUNTY --- WARRENS [44.13, -90.50]</b>				
	08/11/07 21:49 CST		4K	Thunderstorm Wind (EG 61 kt)
	08/11/07 21:49 CST	1	0	Source: Emergency Manager
Several trees were blown down in Jellystone Park. One tree landed on a camper and injured someone.				
<b>LA CROSSE COUNTY --- 5.0 S LA CROSSE [43.73, -91.25]</b>				
	08/11/07 21:55 CST		0.50K	Thunderstorm Wind (EG 54 kt)
	08/11/07 21:55 CST		0	Source: Amateur Radio
Trees were reported down at Goose Island.				
<b>MONROE COUNTY --- 5.0 WSW WARRENS [44.10, -90.59]</b>				

## Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/11/07 22:00 CST		5K	Thunderstorm Wind (EG 61 kt)
	08/11/07 22:00 CST		0	Source: COOP Observer
Widespread trees down, some with 15 inch diameters.				
<b>MONROE COUNTY --- 4.4 NNW TUNNEL CITY [44.06, -90.60]</b>				
	08/11/07 22:05 CST		0	Thunderstorm Wind (EG 56 kt)
	08/11/07 22:05 CST		0	Source: Emergency Manager
<b>JUNEAU COUNTY --- (VOK)VOLK AAF CAMP D [43.92, -90.27]</b>				
	08/11/07 22:16 CST		0	Thunderstorm Wind (EG 51 kt)
	08/11/07 22:16 CST		0	Source: AWOS
<b>JUNEAU COUNTY --- 0.5 W SOUTH NECEDAH [44.02, -90.09]</b>				
	08/11/07 22:25 CST		0	Thunderstorm Wind (EG 59 kt)
	08/11/07 22:25 CST		0	Source: Mesonet
Measured wind gust by Fire Weather RAWWS site.				
<b>JUNEAU COUNTY --- 3.6 SSE NECEDAH HORNSBURG AR [43.92, -89.97]</b>				
	08/11/07 22:28 CST		0.80K	Thunderstorm Wind (EG 56 kt)
	08/11/07 22:28 CST		0	Source: Amateur Radio
Small trees down.				
<b>JUNEAU COUNTY --- 4.6 SW LEMONWEIR [43.73, -90.08]</b>				
	08/11/07 22:28 CST		0.50K	Thunderstorm Wind (EG 56 kt)
	08/11/07 22:28 CST		0	Source: Amateur Radio
Large tree down.				
<b>ADAMS COUNTY --- 0.5 E DELLWOOD [43.97, -89.96]</b>				
	08/11/07 22:30 CST		1K	Thunderstorm Wind (EG 56 kt)
	08/11/07 22:30 CST		0	Source: Law Enforcement
Trees down.				
<b>ADAMS COUNTY --- STRONGS PRAIRIE [44.07, -89.98]</b>				
	08/11/07 22:30 CST		0.50K	Thunderstorm Wind (EG 56 kt)
	08/11/07 22:30 CST		0	Source: Law Enforcement
Tree down.				
<b>JUNEAU COUNTY --- 2.4 SE SOUTH NECEDAH [44.00, -90.05]</b>				
	08/11/07 22:30 CST		5K	Thunderstorm Wind (EG 59 kt)
	08/11/07 22:30 CST		0	Source: COOP Observer
At least 6 trees down. Largest tree was 14 inches in diameter. Minor damage also to fence and barn.				
<b>JUNEAU COUNTY --- 0.5 E SOUTH NECEDAH [44.02, -90.07]</b>				
	08/11/07 22:33 CST		0	Thunderstorm Wind (EG 59 kt)
	08/11/07 22:33 CST		0	Source: Amateur Radio
Trees down.				
<b>ADAMS COUNTY --- 1.7 SW WHITE CREEK [43.81, -89.89]</b>				
	08/11/07 22:35 CST		0.80K	Thunderstorm Wind (EG 56 kt)
	08/11/07 22:35 CST		0	Source: Amateur Radio
Trees were blown down and one blocked a road.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ADAMS COUNTY --- 0.7 N ADAMS [43.96, -89.82]</b>				
	08/11/07 22:45 CST		10K	Thunderstorm Wind (EG 61 kt)
	08/11/07 22:45 CST		0	Source: Law Enforcement
Numerous trees were blown down, several on nearby homes. Power lines were also knocked down causing house fires. Railroad crossings were also blown down.				
<b>JUNEAU COUNTY --- 5.5 N LYNDON STATION [43.80, -89.90]</b>				
	08/11/07 22:45 CST		0	Thunderstorm Wind (EG 52 kt)
	08/11/07 22:45 CST		0	Source: Amateur Radio
<b>ADAMS COUNTY --- 3.8 SSW BROOKS [43.77, -89.66]</b>				
	08/11/07 22:50 CST		4K	Thunderstorm Wind (EG 56 kt)
	08/11/07 22:50 CST		0	Source: Trained Spotter
Trees were blown down across Highway 82 and widespread limbs were down. There were also reported power outages.				
<b>A cold front moved across southwest and central Wisconsin late in the evening of August 11, triggering a line of severe thunderstorms. Storm spotters, law enforcement officials, amateur radio operators and the public reported wind gusts of up to 70 mph, which knocked down trees and power lines.</b>				
<b>TREMPEALEAU COUNTY --- 1.4 S CHIMNEY ROCK [44.45, -91.42]</b>				
	08/13/07 22:00 CST		1.50K	Thunderstorm Wind (EG 56 kt)
	08/13/07 22:00 CST		0	Source: Law Enforcement
Trees were blown down.				
<b>TREMPEALEAU COUNTY --- 1.2 SW PLEASANTVILLE [44.44, -91.32]</b>				
	08/13/07 22:05 CST		3K	Thunderstorm Wind (EG 52 kt)
	08/13/07 22:05 CST		0	Source: Law Enforcement
Shed roof blown off and lying in roadway.				
<b>TREMPEALEAU COUNTY --- 1.5 E BLAIR ARPT [44.28, -91.20]</b>				
	08/13/07 22:18 CST		1.50K	Thunderstorm Wind (EG 56 kt)
	08/13/07 22:18 CST		0	Source: Public
Trees blown down.				
<b>JACKSON COUNTY --- 1.5 NNW BUCKHOLZ CORNERS [44.17, -91.13]</b>				
	08/13/07 22:25 CST		1.50K	Thunderstorm Wind (EG 56 kt)
	08/13/07 22:25 CST		0	Source: Emergency Manager
Several trees down.				
<b>JACKSON COUNTY --- 2.0 S TAYLOR [44.29, -91.12]</b>				
	08/13/07 22:30 CST		0.50K	Thunderstorm Wind (EG 52 kt)
	08/13/07 22:30 CST		0	Source: Law Enforcement
Law enforcement reported trees down.				
<b>JACKSON COUNTY --- BLACK RIVER FALLS [44.30, -90.93]</b>				
	08/13/07 22:50 CST		0	Thunderstorm Wind (EG 52 kt)
	08/13/07 22:50 CST		0	Source: Trained Spotter
Wind gusts were estimated at 60 mph.				
<b>BUFFALO COUNTY --- 0.5 E MONDOVI [44.57, -91.67]</b>				
	08/13/07 23:30 CST		0.50K	Thunderstorm Wind (EG 50 kt)
	08/13/07 23:30 CST		0	Source: COOP Observer
Numerous quarter to half inch diameter branches blown down.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>VERNON COUNTY --- 0.5 E HILLSBORO [43.65, -90.34]</b>				
	08/13/07 23:50 CST		1K	Thunderstorm Wind (EG 56 kt)
	08/13/07 23:50 CST		0	Source: Law Enforcement
Several large trees were blown down.				
<b>LA CROSSE COUNTY --- 1.0 W (LSE)LA CROSSE MUNI [43.88, -91.27]</b>				
	08/14/07 00:32 CST		1K	Thunderstorm Wind (EG 56 kt)
	08/14/07 00:32 CST		0	Source: NWS Employee
One 8 inch diameter tree snapped off 25 feet up. Several 6 to 10 inch diameter maple trees blown down. A wind gust of 55 mph was recorded at the La Crosse Airport (ASOS).				
<b>LA CROSSE COUNTY --- 4.0 E LA CROSSE [43.80, -91.17]</b>				
	08/14/07 00:35 CST		1K	Thunderstorm Wind (EG 56 kt)
	08/14/07 00:35 CST		0	Source: NWS Employee
Trees were blown along County Road F.				
<b>LA CROSSE COUNTY --- LA CROSSE [43.80, -91.25]</b>				
	08/14/07 00:35 CST		3K	Thunderstorm Wind (EG 56 kt)
	08/14/07 00:35 CST		0	Source: Broadcast Media
Several trees and power lines were blown down. Damage was also reported in the West Salem area.				
<b>LA CROSSE COUNTY --- MIDDLE RIDGE [43.80, -90.95]</b>				
	08/14/07 00:40 CST		3K	Thunderstorm Wind (EG 56 kt)
	08/14/07 00:40 CST		0	Source: Broadcast Media
Damage to trees and corn.				
<b>VERNON COUNTY --- 3.0 SW CHASEBURG [43.62, -91.14]</b>				
	08/14/07 00:45 CST		0.50K	Thunderstorm Wind (EG 52 kt)
	08/14/07 00:45 CST		0	Source: Law Enforcement
Law enforcement reported trees down.				
<b>VERNON COUNTY --- 1.4 S PURDY [43.50, -91.05]</b>				
	08/14/07 00:53 CST		0.80K	Thunderstorm Wind (EG 56 kt)
	08/14/07 00:53 CST		0	Source: Public
Large trees were blown down.				
<b>CRAWFORD COUNTY --- 1.0 N GAYS MILLS [43.46, -90.73]</b>				
	08/14/07 01:08 CST		3K	Thunderstorm Wind (EG 56 kt)
	08/14/07 01:08 CST		0	Source: Law Enforcement
Power lines and trees were blown down.				
<b>CRAWFORD COUNTY --- 0.5 W STEUBEN [43.18, -90.86]</b>				
	08/14/07 01:17 CST		1K	Thunderstorm Wind (EG 56 kt)
	08/14/07 01:17 CST		0	Source: Emergency Manager
Large trees were knocked down across central parts of the county.				
<b>GRANT COUNTY --- 2.0 SW MUSCODA [43.16, -90.48]</b>				
	08/14/07 01:40 CST		0.50K	Thunderstorm Wind (EG 53 kt)
	08/14/07 01:40 CST		0	Source: Law Enforcement
Trees were knocked down along Ridge Road.				

## Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>GRANT COUNTY --- 0.9 NE POTOMI [42.69, -90.71]</b>				
	08/14/07 02:05 CST		15K	Thunderstorm Wind (EG 56 kt)
	08/14/07 02:05 CST		0	Source: Law Enforcement
Several large trees fell over damaging a house and a car.				
<b>A cold front moved across southwest Wisconsin in the late evening and early morning hours of August 13 and 14, triggering a line of severe thunderstorms. Law enforcement officials, storm spotters and the public reported wind gusts up to 65 mph, which knocked down trees and power lines.</b>				
<b>LA CROSSE COUNTY --- LA CROSSE [43.80, -91.25]</b>				
	08/18/07 19:40 CST		11.90M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		0.15M	Source: Law Enforcement
Heavy rain led to major flash flooding in the south end of the county, especially south of La Crosse. Mudslides were reported along Highways 35 and 33. There was also major street flooding and water in basements. Parts of a retaining wall washed away at the intersection of Highways 14, 61, and 35 and erosion washed away some smaller roads.				
About 644 people applied for FEMA assistance.				
<b>VERNON COUNTY --- STODDARD [43.67, -91.22]</b>				
	08/18/07 20:15 CST		28.20M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		0.50M	Source: County Official
Flash floods and mudslides were reported across the county, with numerous county roads closed and impassable. Areas significantly impacted were from around Stoddard to Viroqua. At least 79 people were evacuated below local dams. Mudslides were especially dangerous along Highway 35 on the west end of the county washing away some homes and closing the highway for quite sometime. Railroad tracks were also damaged knocking over one set of rail cars that had hazardous material stored.				
Over 1,100 people applied for FEMA assistance including 33 businesses in the county.				
<b>CRAWFORD COUNTY --- 2.0 S DE SOTO [43.39, -91.20]</b>				
	08/18/07 20:40 CST		20M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		0.46M	Source: Law Enforcement
Flash flooding and mudslides were reported over mainly the northern half of the county. Hardest hit areas were in the steep terrain and along Highway 35 from Lynxville to De Soto. Some roads were closed due to flood waters and in one case a large boulder fell on to Highway 35.				
In Crawford County, about 415 people applied for FEMA assistance.				
<b>RICHLAND COUNTY --- RICHLAND CENTER [43.33, -90.38]</b>				
	08/18/07 22:16 CST	1	8.80M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		0.30M	Source: County Official
Numerous state highways and county roads were closed and impassable due to flood waters. An estimated 75 percent of the county roads were affected including Highway 80 that was impassable with bridges buckled. Highways 56 and 58 were also impacted. At least a dozen boat rescues were needed from homes and cars. The town of Rockbridge was basically underwater. A 51-year old was swept off a bridge on Highway 60 near the intersection of Highway 80 on his way to Muscoda from Mill Creek.				
Direct Fatalities: M51VE				
<b>RICHLAND COUNTY --- VIOLA [43.50, -90.67]</b>				
	08/19/07 00:00 CST		0.15M	Flood (due to Heavy Rain)
	08/26/07 13:00 CST		50K	Source: Law Enforcement
The Kickapoo River at Viola established the second highest all-time crest of record when it reached 18.20 feet on August 19. Flood stage is 14 feet.				
<b>RICHLAND COUNTY --- YUBA [43.53, -90.43]</b>				
	08/19/07 01:20 CST		0.75M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		25K	Source: Broadcast Media
The fire department building was under water and Highway 80 buckled north of Century Farm Road.				

## Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>VERNON COUNTY --- 1.2 NE COON VLY [43.71, -91.00]</b>				
	08/19/07 01:45 CST		2M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		0	Source: Emergency Manager
Car washed away at County Road P and Spring Coulee Road, but people escaped.				
<b>VERNON COUNTY --- 1.7 SE SPRINGVILLE [43.56, -90.93]</b>				
	08/19/07 01:45 CST		0.15M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		30K	Source: Emergency Manager
Car washed away on Highway 56, but people escaped.				
<b>CRAWFORD COUNTY --- 0.7 S SOLDIERS GROVE [43.39, -90.77]</b>				
	08/19/07 02:05 CST		10K	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		0	Source: Law Enforcement
Two feet of water was over Highway 61 south of town from flooding and even closed in Soldiers Grove.				
<b>LA CROSSE COUNTY --- 5.0 S LA CROSSE [43.73, -91.25]</b>				
	08/19/07 02:49 CST		1.30M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		70K	Source: Law Enforcement
Up to 200 people were evacuated at Goose Island camp ground due to flash flooding and a nearby train derailment. The train derailment was due to mud and debris across the railroad tracks.				
<b>VERNON COUNTY --- READSTOWN [43.45, -90.77]</b>				
	08/19/07 03:00 CST		0.15M	Flood (due to Heavy Rain)
	08/25/07 05:00 CST		50K	Source: Law Enforcement
The Kickapoo River at Readstown established the second highest all-time crest of record when it reached 18.82 feet on August 20. Flood stage is 12 feet.				
<b>CRAWFORD COUNTY --- 0.7 S SOLDIERS GROVE [43.39, -90.77]</b>				
	08/19/07 03:30 CST		50K	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		20K	Source: County Official
Numerous roads and state highways closed, mostly in the northeast section of the county. Nursing home evacuated in Soldiers Grove. Numerous residents evacuated in Gays Mills and Soldiers Grove.				
<b>GRANT COUNTY --- MILLVILLE [43.03, -90.93]</b>				
	08/19/07 04:11 CST		0.27M	Flash Flood (due to Heavy Rain)
	08/19/07 08:00 CST		18K	Source: Emergency Manager
Flash flooding affected about 40 homes across parts of mainly northern Grant County. One home was destroyed. Several bridges and roads were also damaged.				
<b>CRAWFORD COUNTY --- SOLDIERS GROVE [43.40, -90.77]</b>				
	08/19/07 05:00 CST		2.20M	Flood (due to Heavy Rain)
	08/28/07 09:00 CST		0.14M	Source: Law Enforcement
The Kickapoo River at Soldiers Grove established the second highest all-time crest of record when it reached 19.35 feet on August 20. Flood stage is 13 feet.				
River flooding in many towns was extensive. Over 400 people applied for FEMA assistance.				
<b>CRAWFORD COUNTY --- GAYS MILLS [43.45, -90.73]</b>				
	08/19/07 06:00 CST		1.10M	Flood (due to Heavy Rain)
	08/21/07 09:00 CST		0.25M	Source: Law Enforcement
Flooding continued along many creeks, streams and rivers. Law enforcement officials reported numerous roads and bridges were either washed out or still under water. All or portions of highways still closed included Highway 131 from Steuben to Soldiers Grove, Highway 171 at Gays Mills and Highway 179 at Steuben.				

## Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>LA CROSSE COUNTY --- 5.0 S LA CROSSE [43.73, -91.25]</b>				
	08/19/07 06:00 CST		0.40M	Flood (due to Heavy Rain)
	08/20/07 09:00 CST		50K	Source: Law Enforcement
Flooding continued along many creeks, streams and rivers. Law enforcement officials reported numerous roads and bridges were either washed out or still under water. All or portions of highways still closed included Highway 35 south of La Crosse and County Road GI to Goose Island Park.				
<b>RICHLAND COUNTY --- RICHLAND CENTER [43.33, -90.38]</b>				
	08/19/07 06:00 CST		0.10M	Flood (due to Heavy Rain)
	08/21/07 09:00 CST		50K	Source: Law Enforcement
Flooding continued along many creeks, streams and rivers. Law enforcement officials reported numerous roads and bridges were either washed out or still under water.				
<b>VERNON COUNTY --- VIROQUA [43.55, -90.88]</b>				
	08/19/07 06:00 CST		3.50M	Flood (due to Heavy Rain)
	08/21/07 09:00 CST		0.25M	Source: Law Enforcement
Flooding continued along many creeks, streams and rivers. Law enforcement officials reported numerous roads and bridges were either washed out or still under water. All or portions of highways still closed included Highway 35 from Stoddard northward, as well as Highway 131 from Viola to La Farge and from the intersection of Highway 56 and 82 to Viola.				
<b>CRAWFORD COUNTY --- GAYS MILLS [43.45, -90.73]</b>				
	08/19/07 12:00 CST		0.15M	Flood (due to Heavy Rain)
	08/30/07 14:00 CST		50K	Source: Law Enforcement
The Kickapoo River at Gays Mills established the second highest all-time crest of record when it reached 19.79 feet on August 20. Flood stage is 13 feet.				
<b>CRAWFORD COUNTY --- STEUBEN [43.18, -90.85]</b>				
	08/19/07 12:00 CST		0.15M	Flood (due to Heavy Rain)
	08/31/07 23:59 CST		50K	Source: Law Enforcement
The Kickapoo River at Steuben established the second highest all-time crest of record when it reached 16.89 feet on August 20. Flood stage is 12 feet.				
<b>LA CROSSE COUNTY --- 0.9 NE ONALASKA [43.89, -91.22]</b>				
	08/19/07 19:45 CST		5K	Flash Flood (due to Heavy Rain)
	08/19/07 21:00 CST		0	Source: Law Enforcement
Erosion along a bridge on Highway 53 just north of Onalaska was reported from flash flooding.				
<b>LA CROSSE COUNTY --- LA CROSSE [43.80, -91.25]</b>				
	08/19/07 19:45 CST		30K	Flash Flood (due to Heavy Rain)
	08/19/07 21:00 CST		0	Source: Law Enforcement
Streets flooded in the city of La Crosse and on the south side near Kwik Trip and Wal Mart.				
A warm front lifting northward into Iowa triggered round after round of thunderstorms leading to excessive rainfall across southwest Wisconsin during the evening and overnight hours of August 18-19. Total rainfall amounts of 10 to 15 inches were common. Specific reports from weather observers included 10.12 inches and 9.73 inches in Readstown and Viroqua (Vernon County) respectively. Rain had also fallen earlier in the day. Due to the excessive rainfall, widespread and significant flash flooding occurred. Numerous roads and bridges were washed out, houses collapsed due to mudslides and hundreds of homes had flooded basements. Amazingly, there were no fatalities reported. This was in spite of reports from law enforcement and fire department officials of rescuing people in stranded vehicles. Damage attributed to the heavy rainfall and subsequent flooding was estimated to be in the millions of dollars. Crawford, La Crosse, Richland and Vernon counties were declared federal disaster areas.				
<b>VERNON COUNTY --- 1.0 E VICTORY [43.48, -91.20]</b>				
	08/21/07 22:45 CST		10K	Thunderstorm Wind (EG 56 kt)
	08/21/07 22:45 CST		0	Source: COOP Observer
A tree was blown down on the roof of a house, sustaining shingle and fascia damage. Power lines were also down.				
<b>VERNON COUNTY --- DE SOTO [43.42, -91.20]</b>				

## Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/21/07 22:50 CST		2.50K	Thunderstorm Wind (EG 58 kt)
	08/21/07 22:50 CST		0	Source: Law Enforcement
Trees and power lines blown down.				
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VERNON COUNTY --- VIROQUA [43.55, -90.88]				
	08/21/07 23:05 CST		2.50K	Thunderstorm Wind (EG 59 kt)
	08/21/07 23:05 CST		0	Source: Amateur Radio
Trees and power lines blown down.				
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GRANT COUNTY --- FENNIMORE [42.98, -90.65]				
	08/21/07 23:10 CST		0.50K	Thunderstorm Wind (EG 56 kt)
	08/21/07 23:10 CST		0	Source: Public
Trees were blown down.				
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VERNON COUNTY --- 1.2 NE WEST PRAIRIE [43.48, -91.00]				
	08/21/07 23:10 CST		13K	Thunderstorm Wind (EG 61 kt)
	08/21/07 23:10 CST		0	Source: Emergency Manager
A barn, silo, house and trees were damaged in Hornby Hollow. Corn was also flattened in many fields and an out building roof was blown off. Damage was from straight line winds estimated at 60-70 miles per hour.				
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RICHLAND COUNTY --- RICHLAND CENTER [43.33, -90.38]				
	08/21/07 23:15 CST		1.50K	Thunderstorm Wind (EG 55 kt)
	08/21/07 23:15 CST		0	Source: Law Enforcement
Trees down in town.				
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VERNON COUNTY --- ROCKTON [43.65, -90.60]				
	08/21/07 23:18 CST		3K	Thunderstorm Wind (EG 59 kt)
	08/21/07 23:18 CST		0	Source: Law Enforcement
Trees and power lines were downed.				
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A low pressure system moved across southwest Wisconsin during the late evening hours of August 21, which triggered severe thunderstorms. Wind gusts estimated at 60 to 70 mph knocked down power lines and trees, as reported by storm spotters, law enforcement officials and amateur radio operators.				
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VERNON COUNTY --- 3.1 NNE STODDARD [43.71, -91.20]				
	08/21/07 23:45 CST		2K	Flash Flood (due to Heavy Rain)
	08/22/07 00:15 CST		0	Source: NWS Employee
Three mudslides were reported along County Road K. Partial washout of Sunshine Drive which was repaired earlier in the day from damage a few days before. Time was estimated.				
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A low pressure system moved over southwest Wisconsin during the late evening hours of August 21, triggering thunderstorms with heavy rainfall. Due to the saturated soils, rainfall rates of an inch per hour caused mudslides and partially washed out some roads.				
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GRANT COUNTY --- 0.9 NW POTOSI [42.69, -90.73]				
	08/22/07 16:20 CST		0.80K	Flash Flood (due to Heavy Rain)
	08/22/07 17:50 CST		0	Source: Emergency Manager
The Grant River rose out of its banks.				
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GRANT COUNTY --- 0.5 E DICKEYVILLE [42.63, -90.59]				
	08/22/07 16:55 CST		1K	Flash Flood (due to Heavy Rain)
	08/22/07 18:25 CST		0	Source: Emergency Manager
The Platte River rose up to Oak Road near Dickeyville.				
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GRANT COUNTY --- 1.4 N ELMO [42.65, -90.43]				

## Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/22/07 16:55 CST		0.80K	Flash Flood (due to Heavy Rain)
	08/22/07 18:25 CST		0	Source: Law Enforcement
Water rose over the west end of Saint Rose Road off of Highway 11.				
<b>A cold front moved across southwest Wisconsin in the early evening hours of August 22, which triggered thunderstorms with heavy rainfall. Due to saturated soils, excessive rainfall amounts of 2 to 4 inches in less than two hours caused flash flooding.</b>				
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<b>GRANT COUNTY --- 0.5 W BLOOMINGTON [42.88, -90.93]</b>				
	08/22/07 16:00 CST		0.50K	Thunderstorm Wind (EG 56 kt)
	08/22/07 16:00 CST		0	Source: Amateur Radio
Trees were blown down onto Highway 35 and blocked traffic.				
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<b>GRANT COUNTY --- 0.5 W HAZEL GREEN [42.53, -90.44]</b>				
	08/22/07 16:00 CST		0.50K	Thunderstorm Wind (EG 56 kt)
	08/22/07 16:00 CST		0	Source: Emergency Manager
Trees were blown down.				
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<b>GRANT COUNTY --- 0.9 SW CASSVILLE MUNI ARPT [42.71, -90.98]</b>				
	08/22/07 16:10 CST		0	Thunderstorm Wind (EG 52 kt)
	08/22/07 16:10 CST		0	Source: Trained Spotter
Trained spotter estimated a wind gust of 60 miles per hour.				
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<b>GRANT COUNTY --- 2.1 WNW FIVE PTS [42.83, -90.84]</b>				
	08/22/07 16:15 CST		0.70K	Thunderstorm Wind (EG 56 kt)
	08/22/07 16:15 CST		0	Source: Emergency Manager
Trees were down at Beetown Road and Highway 35.				
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<b>GRANT COUNTY --- CUBA CITY [42.60, -90.43]</b>				
	08/22/07 16:35 CST		4K	Thunderstorm Wind (EG 56 kt)
	08/22/07 16:35 CST		0	Source: Emergency Manager
Tree was blow down on a car on south Jefferson Street.				
<b>A cold front moved across southwest Wisconsin in the early evening hours of August 22, which triggered scattered severe thunderstorms. Storm spotters reported wind gusts estimated at 60 to 65 mph, which knocked down trees.</b>				
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<b>TAYLOR COUNTY --- 5.0 W GILMAN [45.17, -90.90]</b>				
	08/28/07 13:00 CST		0	Hail (0.88 in)
	08/28/07 13:00 CST		0	Source: Trained Spotter
Trained spotters estimated nickel size hail.				
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<b>TAYLOR COUNTY --- 0.5 W GILMAN [45.17, -90.81]</b>				
	08/28/07 13:12 CST		1K	Thunderstorm Wind (EG 56 kt)
	08/28/07 13:12 CST		0	Source: Department of Highways
Trees down near the intersection of Highway 73 and County M.				
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<b>TAYLOR COUNTY --- 3.7 NE MEDFORD TAYLOR CO AR [45.14, -90.25]</b>				
	08/28/07 13:54 CST		1.50K	Thunderstorm Wind (EG 56 kt)
	08/28/07 13:54 CST		0	Source: Law Enforcement
Several trees down and marble sized hail reported by Law Enforcement.				
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<b>LA CROSSE COUNTY --- 0.9 SW HOLMEN [43.96, -91.26]</b>				
	08/28/07 15:10 CST		0	Thunderstorm Wind (EG 52 kt)
	08/28/07 15:10 CST		0	Source: NWS Employee

## Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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NWS employee estimated 60 miles per hour wind gust in Holmen.

**A cold front tracked slowly across southwest and north central Wisconsin in the afternoon hours of August 28. As a result, severe thunderstorms developed, which produced damaging winds of 60 to 65 mph and hail up to the size of nickels.**

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**TAYLOR COUNTY --- 0.7 N MEDFORD [45.14, -90.35]**

08/28/07 04:05 CST	4K	Thunderstorm Wind (EG 55 kt)
08/28/07 04:05 CST	0	Source: Law Enforcement

Law Enforcement reported numerous trees and power lines down in Medford. Power outages were also reported.

**A cold front and an upper level disturbance combined to produce scattered severe thunderstorms during the late afternoon of August 28 across parts of north central Wisconsin. Law enforcement officials reported wind gusts of 60 to 65 mph, which knocked down power lines and trees.**

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**VERNON COUNTY --- 0.9 NW LA FARGE [43.58, -90.64]**

08/27/07 08:50 CST	1K	Flash Flood (due to Heavy Rain)
08/27/07 10:40 CST	0	Source: Emergency Manager

Emergency manager reported the Kickapoo River rising and flooding into nearby yards.

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**VERNON COUNTY --- 2.0 NE RED MOUND [43.49, -91.12]**

08/27/07 08:50 CST	3K	Flash Flood (due to Heavy Rain)
08/27/07 10:30 CST	0	Source: Emergency Manager

Emergency Manager reports Utley road closed. Creeks in the tributaries of the Bad Axe River and South Creek out of their banks.

**A slow moving cold front triggered thunderstorms with heavy rains across parts of southwest Wisconsin on the morning of August 27. Excessive rainfall amounts of 2 to 4 inches in two to three hours caused streams and creeks to rise quickly and flood roadways.**